

What is claimed is:

1. An ADSS (All-Dielectric Self-Supporting) optical cable comprising:
a central tensile member extended in a longitudinal direction;
5 at least one optical fiber for transmitting an optical signal;
at least one tubular buffer receiving the at least one optical fiber therein and
arranged around the central tensile member adjacently, the tubular buffer being twisted
on the center of the central tensile member;
an inner sheath extended in the longitudinal direction with surrounding the at
10 least one tubular buffer;
an outer tensile member extended in the longitudinal direction with surrounding
the inner sheath; and
an outer sheath extended in the longitudinal direction with surrounding the outer
tensile member,
15 wherein the outer tensile member includes:
a plurality of tensile wires extended in the longitudinal direction in
parallel without intentional twisting on the central tensile member; and
an adhesive resin for connecting the tensile wires adjacent to each other.
- 20 2. An ADSS optical cable according to claim 1,
wherein the outer tensile member is configured so that the plurality of tensile
wires arranged in parallel without intentional twisting are soaked in the adhesive resin.

3. An ADSS optical cable according to claim 2, wherein the tensile wire is an Aramid yarn.
4. An ADSS optical cable according to claim 2, wherein the tensile wire has an infinite pitch.
5. An ADSS optical cable according to claim 2, wherein the adhesive resin is an epoxy resin.
6. An ADSS optical cable according to claim 2, further comprising at least one polyethylene filler arranged around the central tensile member adjacently and twisted on the center of the central tensile member together with the tubular buffer.
7. An ADSS optical cable according to claim 2, further comprising a water-blocking tape arranged in the inner sheath with surrounding the tubular buffer to prevent external moisture from penetrating into the optical fiber.
8. An ADSS optical cable according to claim 7, further comprising a waterproof jelly filled in a gap between the optical fibers in the tubular buffer and in a gap between the tubular buffers in the water-blocking tape.
9. An ADSS optical cable according to claim 2, wherein the plurality of optical fibers are loosely received in the tubular buffer.